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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/657,008	09/08/2003	Konstantin Anisimovich	ABYY-U12	1915
7590 ABYY Software Ltd. 11-1, Kasatkina Str. Moscow, 129301 RUSSIAN FEDERATION		EXAMINER PATEL, KANJIBHAI B		
		ART UNIT	PAPER NUMBER 2624	
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS	01/09/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/657,008	ANISIMOVICH ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Kanji Patel	2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 08 September 2003.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-14 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 08 September 2003 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date: _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>9/8/03</u> .  | 6) <input type="checkbox"/> Other: _____.                         |

## **DETAILED ACTION**

### ***Priority***

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### ***Information Disclosure Statement***

2. The information disclosure statement (IDS) submitted on 9/8/03 has been considered by the examiner.

### ***Drawings***

3. Drawings filed 9/8/03 have been approved by the examiner.

### ***Specification***

4. The abstract of the disclosure is objected to because of two paragraphs. Abstract should be written in a **single** paragraph.

Correction is required. See MPEP § 608.01(b).

### ***Claim Objections***

5. Claims 1-2 are objected to because of the following informalities:

Claim 1, line 7, replace " then " with -- than --

Claim 2, line 8, replace " then " with -- than --

Claim 8, line 3, replace " then " with -- than --

Appropriate correction is required.

### ***Duplicate Claims***

6. Applicant is advised that should **claim 1** be found allowable, **claim 2** will be objected to under 37 CFR 1.75 as being a substantial duplicate thereof. When two

claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim.

See MPEP § 706.03(k).

### ***Claim Rejections - 35 USC § 112***

7. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

**Claims 1-14** are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

**Claim 1** recites “recognition of objects” in line 5. It is unclear how the objects are recognized. What about the other steps after “recognition of objects”? Are those steps used for recognizing the objects? Claim 1 further recites “performing the following steps search and identification of at least one standard element on the said bit-mapped image, selection of at least one standard element image for testing on belonging to the recognized object, setting up and testing a hypothesis about the recognized object on the basis of the image formed by all aggregate of said selected standard element images as a whole taking into account spatially parametrical correlations thereof ” in lines 13-21. What these steps are for? Aren’t they used for recognizing the objects? Please explain.

**Claim 2** has similar limitations or analogous variations of claim 1 and therefore this claim is also rejected for the same reasons.

**Claims 3-4** recite the limitation of “ at least one standard element composing the recognized object is described as an alternative ”. What is meant by alternative?

**Claim 5** recites the limitation of “at least one standard element composing the recognized object is described as an interval ”. What is meant by interval?

**Claims 11-12** recite the limitation of “ supplementary information and supplementary recognition methods are used” in line 3. It is unclear what is supplementary information or supplementary recognition method.

**Claims 6-10 and 13-14** directly or indirectly depend from the rejected base claims 1 and 2 and therefore they are rejected for the same reasons as set forth for claims 1 and 2.

#### **Other prior art cited**

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Fenrich et al. (US 5,321,768) disclose a system for recognizing handwritten character strings containing overlapping and/or broken characters.

Cullen et al. (US 5,465,304) disclose segmentation of text, picture and lines of a document image.

Bergman (US 5,838,820) discloses a pattern recognition apparatus and method.

Bernzott et al. (US 6,038,342) discloses an optical character recognition method and apparatus.

### Contact Information

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kanji Patel whose telephone number is (571) 272-7454. The examiner can normally be reached on Monday to Thursday from 8 a.m. to 6:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bella, Matthew can be reached on (571) 272-7778. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kanji Patel  
Art Unit 2624  
1/05/07

  
KANJIBHAI PATEL  
PRIMARY EXAMINER